

TURTON  
URBAN DISTRICT COUNCIL.

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ANNUAL REPORTS  
OF THE  
MEDICAL OFFICER OF HEALTH  
AND THE  
INSPECTOR OF NUISANCES  
FOR 1904.

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*Ordered by the Sanitary Committee to be printed.*

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J. B. GOULBURN,

CLERK.

COUNCIL OFFICES, TURTON,  
10TH FEBRUARY, 1905.



## Medical Officer of Health's Report.

The Chairman and Members of the Urban District Council of  
Turton.

GENTLEMEN,

I have the honour of submitting to you my twenty-fourth Annual Report on the health and sanitary condition of the Urban District of Turton, together with a summary of sanitary work during the year 1904.

The various statistics presented to you are calculated upon a population basis of 12,513 at the middle period of the year, and at a rate per thousand of population.

The total number of births was 277 ; 131 males and 146 females, equal to an annual rate of 22·13. The rate for the whole County for the year 1903 was 26·77, and for England and Wales 28·4. The rate for the County is the lowest recorded, except in the year 1901, and the rate for England and Wales was the lowest on record. The number and rate in your district for that year were 254 and 20·3 respectively. As compared with the mean rate for the previous 5 years there is an increase in your district during 1904 of 0·6, and an increase of 1·74 over 1903. Subjoined is an analytical table in respect of the 4 principal divisions of your district.

Births in	Popula- tion. 1904.	1904.		1903.		Total.		Rate.	
		M.	F.	M.	F.	1904	1903	1904	1903
Turton .....	6866	70	79	68	71	149	139	22·3	20·33
Edgworth .....	2550	21	30	23	18	51	41	20·0	16·1
Bradshaw .....	2244	31	27	26	29	58	55	25·8	24·6
Belmont .....	853	9	10	11	8	19	19	22·1	22·4
Whole District.....	12513	131	146	128	126	277	254	22·13	20·39

A material increase is here shown in the Edgworth district, and a slight increase in the Turton and Bradshaw localities, whilst the rate for Belmont is virtually the same as that for the previous year.

The total number of deaths of persons belonging to the district was 157; 70 males and 87 females, which includes the deaths of 1 male and 1 female who were residents of the district, but who died outside the limits of the district. The annual death rate was 12·54, a decrease of 0·26 on that of the year 1903, and a decrease of 0·54 upon the mean of the previous 5 years. During the year 1903 the rate for the County was 15·22, and for the mean of 10 years previously 17·3, so that your district in respect of mortality occupies a favourable position. The following table shows the death distribution in the 4 great divisions of your district, with comparative statistics in respect of the years 1904 and 1903.

Deaths in	Popula- tion. 1904.	1904.		1903.		Total.		Rate.	
		M.	F.	M.	F.	1904	1903	1904	1903
Turton .....	6866	35	57	55	45	92	100	13·2	14·6
Edgworth .....	2550	13	13	11	13	26	24	9·8	9·4
Bradshaw .....	2244	17	14	12	14	31	26	13·7	11·6
Belmont .....	835	5	3	5	7	8	12	9·3	14·1
Whole District.....	12513	70	87	83	79	157	162	12·54	13·2

The mortality rate of the Belmont locality is shown to be materially decreased, the rate of the Turton locality slightly decreased, that of the Edgworth locality practically equal to the previous year, and the Bradshaw division exhibits a comparatively large increase. This increase, I find, is not apparently due to insanitary conditions, as the increase falls under the head of Bronchial affections in elderly persons.

In addition to the foregoing table I append 4 others: Table 1 furnishing details of the births and deaths in the whole district; Table 2 information of a similar nature in respect of the several divisions; Table 3 an analysis of the infectious diseases notified; and Table 4 the number and causes of death at all ages, at various age periods, together with the total number of deaths under each head in the severally specified divisions of the district.

The deaths of infants under 1 year in age were 23 in number, equal to a rate of 83·03 per thousand births. The Zymotic diseases



caused 5 deaths, or a rate of 0·39 per thousand of population. Phthisis is credited with 9 deaths, the rate being 0·71 per thousand. Respiratory diseases caused 28 deaths, equal to a rate of 2·23 per thousand.

Comparing the year 1904 with the previous one, there was an increase in the infant mortality rate of 27·93. There was an increased number of deaths amongst infants in the Turton, Edgworth, and Bradshaw divisions, chiefly due to Bronchial affections, the diseases amongst children due to insanitary surroundings or improper feeding, viz.:—Diarrhœa, Intestinal Inflammation, etc., etc., being conspicuous by their absence. The infant mortality rate for the whole County during 1903 was 140·0 per thousand births, and the average for the previous decade was 161 in the County, and 152 in the whole of England and Wales. So that, although the rate for your district is somewhat higher than the previous year, still it compares most favourably with the general rate of infant mortality, and is 11·07 per thousand lower than the mean of the preceding 5 years in your district. The Zymotic rate is considerably less than in the year 1903. The deaths from Phthisis continue to diminish each year. Although the gain is only 0·10 per thousand upon last year, it is quite satisfactory and encouraging. The Respiratory diseases' rate is almost equal with the previous year's record.

The foregoing may be considered as important factors in estimating the sanitary condition and progress of a District, and their generally favourable character is very gratifying and an incentive to further endeavour.

I have compiled the following Table so that you may have the various items presented to you in such form that an easy comparison may be made between each of the principal divisions with the others, and the past with the previous year.

1904. DIVISIONS.	Birth Rate.	Death Rate.	Zymotic Diseases.		Phthisis.		Respiratory Diseases.		Infant Mortality.	
			No.	rate	No.	rate	No.	rate	No.	rate
Turton .....	22·3	13·2	2	0·27	4	0·50	15	12·1	10	67·8
Edgworth .....	20·0	9·8	0	0	2	0·78	2	0·78	4	78·4
Bradshaw .....	25·8	13·7	2	0·88	1	0·45	11	4·9	8	137·9
Belmont .....	22·1	9·3	1	1·1	2	2·30	0	0	1	52·7
Whole District.....	22·13	12·38	5	0·39	9	0·71	28	2·23	23	83·03
1903.										
Turton .....	20·33	14·6	12	1·7	7	1·2	19	2·7	8	58·2
Edgworth .....	16·1	9·4	1	0·3	2	0·6	3	1·1	1	24·3
Bradshaw .....	24·6	11·6	0	0	0	0	7	3·1	4	72·7
Belmont.....	22·4	14·1	1	1·1	1	1·1	2	2·2	1	52·7
Whole District.....	20·39	12·8	14	1·12	10	0·8	31	2·4	14	55·1

The number of cases of infectious diseases notified during the year was 85, a decrease of 14 as compared with the year 1903.

The distribution of these cases over the several divisions of the District is exhibited in Table 3 accompanying this Report.

Diphtheria.—Four cases recorded, but no deaths. One of these cases was contracted in Bolton; the other 3 were due to choked and foul drains near and belonging to the infected houses.

Erysipelas.—The cases notified were 6, with one death in the case of an infant under 1 year in age.

Enteric Fever.—Four cases notified but no deaths recorded. Three of these cases occurred in one house and were caused by opening and relaying defective drains in the house yard. The other one was probably due to drinking infected water at his place of work.

Scarlet Fever.—The number of notified cases was 71, distributed as follows:—Eagley, Bromley Cross, Egerton, and Chapeltown wards 29; Edgworth and Entwistle wards 33; Belmont ward 6, and Bradshaw ward 3. Happily no deaths were recorded.

Of the 29 cases in the lower wards 13 occurred in the Eagley ward, and were in continuation of a slight epidemic commencing in the last month of the year 1903, the greatest intensity falling upon the months of February, March, and April, and terminating during May.

The rest of the cases were sporadic and were spread over the whole year in the wards mentioned.

Belmont had 6 cases, 3 being due to previous cases in the village; one was contracted in Liverpool, and the remaining 2 were due to direct contact with this one.

Bradshaw Ward had 3 cases, all of them resulting from contact with children at Affetside School, who come principally from the Tottington district, where the disease was prevalent.

Edgworth contributes 33 cases. 6 of these were scattered over the ward, more or less isolated from each other, 1 was contracted at Ainsworth, Bolton, 1 at Tottington, and 3 were in sequence to a case at the Hillock on August 21st, the origin of which could not be satisfactorily determined. The remaining cases, 27 in number, constituted an epidemic of the disease, commencing on October 26th in this ward. The first case notified in this district was on April 11th from 8 Hob Lane, a scholar at Hob Lane School. No other case was notified until October 26th, from Lower Mill Farm Cottages, the origin of which could not be traced. This was followed by a second at Isherwood Fold on October 27th, and a third on November

2nd at Longworth Bank. The remainder of the cases were either direct or indirect contacts from these. The epidemic had apparently ceased on December 28th, as no cases have been notified up to the date of this Report. All the children affected were scholars at Hob Lane School, or had been associated with children attending this school; the number of infected houses was 13. I think it very probable that the primary origin of this epidemic was in the case at Hob Lane in April and that this child was wearing clothing during the middle of October which had escaped proper disinfection after its attack in April. If this be not the probable cause, then we must assume some unknown exposure to the infection, either outside the district, or to infection direct or indirect from some case which had not been notified, or which had escaped recognition. The measures adopted with a view to the prevention of the spread of the disease were "home isolation," disinfection of occupied rooms and clothing by sulphur fumigation, visitation and cleansing of school by sulphur fumigation and thorough cleaning, and closure of the school which was effected by commencing the Christmas holidays on December 16th, an earlier date than usual, and prolonging the holidays by an official closure of 14 days. This latter measure appears to have been the most effective, as only 9 cases were notified after this date, December 16th, which occurred in 4 houses, 5 of them being in one house.

Measles prevailed in Edgworth Ward during the early part of the year, necessitating the closure of Hob Lane School for a period of 3 weeks; the school being fumigated and cleansed at the same time. No deaths were recorded during the year.

Whooping Cough was prevalent during the months of February, March, April, and May, in the Egerton and Eagley Wards. The Dimple, Walmsley, and Eagley Schools were closed for a period of one month in each case in consequence, the disease quickly declined afterwards.

No cases of Small-pox occurred in the district, but 6 cases of "contacts" with cases of the disease in Blackpool, Outwood, and Bolton were notified to me. The cases were visited, and re-vaccination was performed. No developments of Small-pox occurred.

The only methods of combating the spread of infective disease in operation during the year were "home isolation," which at best is a measure of questionable effectiveness; the visitation of schools; the closing of schools; the fumigation and cleansing of schools; with the



fumigation of infected rooms, wearing apparel and bedding, which, in the absence of any kind of Stoving apparatus is the only available method of dealing with these things.

Your District still remains without any Isolation Hospital accommodation, except in the case of Small-pox, which is provided for by a temporary arrangement with Ainsworth Small-pox Hospital Authorities.

The water supply of the District is mainly from the Bolton Corporation Waterworks. Several of the farms and cottages in the outlying portions of the District are supplied by springs and shallow wells. Some of these were found to be unwholesome and unsafe for use, and measures were adopted to procure a suitable and safe supply in all the instances complained of.

Referring to the water supply in the higher parts of Egerton, the Bolton Corporation completed the alterations in progress at the Springs and Dingle reservoir in the early part of the year, and since then no complaints have been received as to the quality of the supply from that locality.

The whole District is properly sewered, and the Sewage works at Eagley, Bradshaw, and Belmont were working satisfactorily, and are equal to the demands made upon them.

The Scavenging of the District is fairly well performed, but I would suggest the desirability of adopting some methods of laying the dust on the principal highways and roads during the hotter months of the year, and during the prevalence of the dry winds. Dust itself is a fruitful source of ill-health, and very frequently contains the germs of actual disease.

The ashpit system is the principal method in vogue for the disposal of excrement. Very few ashpits in your district are watertight, and consequently become filthy receptacles, the stench arising from them is frequently most objectionable, and they are a constant source of ill-health, if not of actual disease. I do not affirm that they cannot possibly be constructed so that ground drainage may be excluded, but that they are not constructed in the majority of instances is a positive fact. Until a watertight construction of ashpits is enforced by the Bye-laws of your Council I must continue to recommend the water-carriage system of excrement disposal, which, though still very imperfect and far from an ideal method, is much superior in cleanliness and safety to the highly objectionable and disease distributing system at present almost generally adopted. I am pleased to note an increase in the number of conversions during the



year from 97 in 1903 to 112 in the past year. I would recommend the continuance of the bonus granted hitherto on conversion from the old system on Sanitary as well as economic grounds, for, not only is the water-carriage system health saving, and therefore a municipal gain, but also, a pecuniary gain and rate saver, as your Sanitary Inspector informs me there is a considerable difference in the cost of removal of ashpit refuse as betwixt those houses which are provided with the water-carriage system and those that are not.

I have made systematic inspections of your whole district, during the year, and have notified to your Sanitary Inspector several sanitary defects then discovered, which were in all cases promptly removed or remedied.

The various workshops in the district have been visited, and their sanitary condition carefully supervised. In respect of air-space, ventilation, cleanliness, drainage, etc., the legal requirements have been properly observed. A few insanitary conditions were discovered, which, on notification to the occupiers, were promptly removed. I have appended to this Report a Table, in which will be found a classified index of the work performed in this connexion.

Four cases of overcrowded, and four of dirty houses were under observation. All the cases were properly notified, and the legal requirements were carried out.

During the year the following Special Reports were made to your Sanitary Committee.

January 21st.—Closure of Hob Lane School.

February 18th.—On the Water Supply of Egerton.

March 18th.—Closure of Infant Department Walmsley School.

May 3rd.—Closure of Dimple School.

May 20th.—Closure of Eagley School.

July 6th.—On the Sanitary condition of dwellings in Longsight Road, Harwood.

Your Sanitary Inspector reports as follows:—

SMOKE NUISANCE—OBSERVATIONS, 142—

The stokers and others in charge of boilers, &c., were cautioned, and 6 notices to owners for abatement were issued.

DAIRIES AND COWSHEDS—NUMBER ON REGISTER, 111 DAIRIES AND 195 COWSHEDS—

Discontinued during the year—17 dairies and 15 cowsheds.  
He made 405 inspections of cowsheds and 210 of dairies;

26 of the former were found to be overcrowded, and 13 notices for abatement were issued to tenants, with the result that in all the cases the legal requirements were carried out, either by reduction in stock or by structural alterations and the erection of new buildings. The drains of 20 cowsheds were reconstructed, repaired, or trapped. Four new liquid manure tanks were provided. Ten cowsheds were repaired, ventilated, &c. Three new dairies were erected. Three cases of contravention of the order in respect of pig keeping were notified to the owners and duly attended to. The whole of the cowsheds in the district now comply with the requirements of the Bye-laws of the Council.

#### SLAUGHTER HOUSES—11 IN NUMBER—

405 visits were made, and they were found to be kept in a satisfactory condition. Three notices to limewash and 3 to repair defective drains were issued and attended to. The drains of 3 slaughter houses were reconstructed.

#### BAKEHOUSES—NUMBER ON LIST, 13—

63 visits were made, and all were found to be kept in a satisfactory condition. Four notices in respect of limewashing and 4 in respect of imperfect drainage were issued, the requirements being carried out. Two new water closets were erected.

#### VANS, TENTS, &C., USED AS DWELLINGS—

18 visited the district, and they were regularly inspected. The sanitary regulations were in all cases observed.

#### SCAVENGING—PRIVIES AND ASHPITS—

2,010 ashpits were cleansed in the scavenging area of Bromley Cross, Eagley, Egerton, and Chapeltown. Inspection of the ashpits outside this area were made and proper supervision exercised.

Number found defective	....	....	....	91
Number repaired	....	....	...	76
Conversion of ashpits to water carriage	....			112
New water closets in lieu of ashpits	....			11
Conversion of ashpits to dry ashhouses	....			65

## WORKSHOPS—NUMBER ON REGISTER, 16—

65 inspections were made. It was necessary to issue 4 notices to limewash, and 4 on account of sanitary defects; 3 drains were found defective and were repaired. All the workshops were limewashed.

The following is a summary of the sanitary work performed during the year:—

Number of inspections	....	....	....	1664
Number of re-inspections	....	....	....	2005
Outstanding notices from previous year	....			30
Notices issued	....	....	....	189
Nuisances abated	....	....	....	177
Nuisances, time limit unexpired or in progress of removal	....	....	....	42
House drains re-constructed, repaired, &c.	....			519
House drains trapped	....	....	....	192
Main drains re-constructed	....	....	....	12
Surface of yards repaired, &c.	....	....	....	161
Slopstone pipes disconnected, repaired, &c.	....			177
Down spouts disconnected, repaired, &c.	....			348
New ventilation shafts fixed	....	....	....	21
Visits to refuse tips	....	....	....	108
Carcases of meat inspected...	....	....	....	10
Carcases of meat unfit for food and destroyed				2
New urinals erected	....	....	....	6
Urinals repaired and re-erected	....	....	....	20
Houses fumigated	....	....	....	55
Schools fumigated	....	....	....	5
Accumulations of filth, manure, &c., removed..				10

I append the several tables alluded to in the foregoing report.

I am, Gentlemen,

Yours obediently,

J. ROBINSON, M.D., L.S.Sc.,

Medical Officer of Health.

January 21st, 1905.

## Report of Inspector of Nuisances.

To the Chairman and Members of the Sanitary Committee of the  
Turton Urban District Council.

GENTLEMEN,

I beg to submit to you my second annual report of the work which has been done in connection with the Sanitary Department during the year 1904.

### DAIRIES AND COWSHEDS.

At the end of the year 1904 there were 111 dairies and 195 cowsheds on the register, as against 106 dairies and 190 cowsheds in the year 1903.

During the year 7 dairies and 15 cowsheds have been discontinued as against 12 dairies and 20 cowsheds registered.

The following tables give the particulars of the number of dairies and cowsheds, also the number of cows for which the latter are registered in the several districts.

### DAIRIES.

DISTRICT.	Number of Dairies on the Register in 1903.	Number newly Registered.	Number Discon- tinued.	Total on the Register in 1904.
Belmont .....	4	0	1	3
Bradshaw .....	11	1	0	12
Entwistle .....	8	1	0	9
Edgworth .....	11	1	1	11
Harwood .....	23	1	0	24
Longworth .....	8	2	1	9
Quarlton .....	2	2	1	3
Turton .....	39	4	3	40
Totals .....	106	12	7	111



## COWSHEDS.

DISTRICT.	Number on the Register in 1903.	Number newly Regis- tered.	Number Discon- tinued.	Total on the Register in 1904.	Number of Cows Regis- tered for 1904
Belmont .....	7	0	<sup>15</sup> 1	6	69
Bradshaw .....	25	1	0	26	225
Entwistle .....	12	1	0	13	151
Edgworth .....	18	1	1	18	166
Harwood .....	46	2	2	46	426
Longworth .....	14	6	5	15	148
Quarlton .....	3	2	1	4	60
Turton .....	65	7	5	67	689
Totals .....	190	20	15	195	1934

The following tabular statements indicate the amount of work done under the Dairies' and Cowsheds' Orders, and the result:—

Number of Inspections of Cowsheds ....	405
„ „ Inspections of Dairies ....	210
„ „ Cowsheds limewashed ....	195
„ „ Dairies limewashed ....	111
„ „ Cowsheds found overcrowded ....	26
„ „ Notices issued on tenants ....	13
„ „ Abatement of overcrowding of Cowsheds by means of structural alterations, or by new ones erected ....	16
„ „ Abatement of overcrowding by a reduction of stock kept ....	10
„ „ New Cowsheds erected ....	4
„ „ Cowshed drains re-constructed ....	8
„ „ Cowshed drains repaired ....	6
„ „ Cowshed drains trapped ....	6
„ „ New liquid manure tanks provided ....	4
„ „ New dairies erected ....	3
„ „ Cowsheds repaired, also increased light and ventilation provided ....	10

Pigs were found to be kept in contravention to the Orders, in three cowsheds. Notices were served on the owners and the pigs were removed and the cowsheds cleansed without delay.

I am pleased to report that the whole of the cowsheds now on the register comply with the cubic air space requirements of the Council's Bye-laws.

## PRIVATE SLAUGHTER HOUSES.

There were 11 private slaughter houses in the district at the end of the year 1904, as against 12 at the same period last year. These were located in the district as follows:—

Egerton	Edgworth	Chapeltown	Harwood	Eagley	Total
1	4	1	1	4	11

405 visits have been paid to the above, and they were found to be kept in a satisfactory condition as to cleanliness, removal of offal, and limewashing.

It has been necessary to issue three notices on the tenants for limewashing, and three on the owners for defective drainage.

The whole of the drains of the three slaughter-houses have been re-constructed and trapped.

## SCAVENGING OF PRIVIES AND ASHPITS.

During the year, 2,010 ash pits have been cleansed in the scavenging area in the districts of Bromley Cross, Eagley, Egerton, and Chapeltown.

Also regular inspection has been made in the following districts:—Belmont, Bradshaw, Edgworth, and Harwood, and have found the privies and ash pits to be kept in a fairly satisfactory condition.

Number of privies and ash pits found defective	91
„ „ houses affected ....	226
„ „ privies and ash pits repaired ....	76
„ „ houses affected ....	163
„ „ slop water closets fixed in lieu of old defective privies ....	112
„ „ fresh water closets fixed in lieu of old defective privies ....	
„ „ dry ash-houses provided in lieu of old defective deep ash pits ....	11
„ „ houses affected ....	
„ „ houses affected ....	65
„ „ houses affected ....	140

## WORKSHOPS.

The following is a tabular statement of the work done in respect of the inspection of workshops for sanitary purposes, under the Factory and Workshops Acts, during the year 1904:—

Number on the register in 1903 ....	12
Number of inspections made ....	65
„ „ workshops newly registered ....	5

Number of notices issued for limewashing ....	4
„ „ notices issued for sanitary defects.	4
„ „ drains found defective ....	3
„ „ drains repaired ....	1
„ „ drains re-constructed ....	2
„ „ drains trapped ....	2
„ „ new water closets provided ....	2
„ „ workshops limewashed ....	16
Total number on the register at the end of the year 1904 as against 12 in 1903 ....	16
Number of workshops discontinued ....	1

## BAKEHOUSES.

There are at present on the register ....	13
bakehouses, as against 12 in 1903.	
Number of bakehouses newly registered ....	3
„ „ bakehouses discontinued ....	2
„ „ notices issued on the tenants for limewashing ....	4
„ „ notices issued on the owners for sanitary defects ....	4
„ „ drains found defective ....	4
„ „ drains repaired ....	2
„ „ drains re-constructed ....	2
„ „ drains trapped ....	2
„ „ new water closets provided ....	2

During the year 63 visits have been paid to the above, and they were found to be kept in a satisfactory condition as to cleanliness and regularly limewashed.

## VANS, TENTS, SHEDS, &amp;C., USED AS DWELLINGS.

During the year 18 van dwellings were found in the district. These were regularly visited during their stay in the district, and the vans and the ground around them were found to be fairly well kept. There were no offensive deposits or accumulations requiring notice for their removal, and the owners showed a very general desire to keep both their vans and the ground around them in a cleanly state.

## SMOKE NUISANCE.

During the year 1904, 142 observations have been taken. Several stokers and others were cautioned for negligence in firing the furnaces under their charge, and six notices for abatement served on the owners.

The following is a summary of the sanitary work performed during the year:—

Number of inspections made	....	....	1664
„ „ re-inspections	....	....	2005
„ „ notices outstanding at the end of 1903....	....	....	30
„ „ notices issued	....	....	189
„ „ notices abated	....	....	177
„ „ notices time limit unexpired or the work is in hand or in progress....			42
„ „ house drains found defective, choked, or untrapped....		....	238
„ „ house drains cleansed or repaired			80
„ „ house drains re-constructed		....	201
„ „ house drains trapped	....	....	192
„ „ main drains found defective		....	12
„ „ main drains re-constructed		....	12
„ „ surfaces of yards repaired or flagged	....	....	161
„ „ slopstone waste pipes repaired	....		128
„ „ slopstone waste pipes disconnected from the drains	....	....	49
„ „ downspouts disconnected from the drains and made to discharge over properly trapped gullies	....		187
„ „ downspouts repaired	....	....	161
„ „ new ventilation shafts fixed		....	21
„ „ visits paid to refuse tips	....	....	108
„ „ carcasses of meat inspected after slaughter by the owners on the farms, and passed as fit for food			10
„ „ carcasses found unfit for food and destroyed	....	....	2
„ „ private urinals found defective	....		13
„ „ private urinals removed from improper positions or improperly screened	....	....	6
„ „ new urinals erected....	....	....	6
„ „ private urinals repaired	....	....	7
„ „ houses fumigated after infectious disease	....	....	55



Number of schools fumigated	....	....	....	5
„ „ accumulations of stable manure				
removed by owner after notice				10
„ „ pig styes found situated in too				
close proximity to dwellings, and				
discontinued	....	....	....	6

During the year private water supplies to three farms, and 14 cottages were found to be polluted.

Two farms and two cottages have been provided with supplies from the Bolton Corporation's mains.

The filter bed and storage tank for one farm and 12 cottages have been cleansed.

Four houses were found to be overcrowded, also four found to be dirty. The overcrowding was abated and the houses cleansed under preliminary notices.

I remain, Gentlemen,

Your obedient servant,

ARCHIBALD McMORRINE,

Sanitary Inspector.

January 21st, 1905.

